

ABSTRACT OF THE DISCLOSURE

An elastomeric composition includes at least one diene elastomeric polymer; at least one reinforcing filler; from 0.05 phr to 10 phr of zinc oxide; from 0.1 phr to 20 phr of at least one fatty acid amide; and from 0.1 phr to 15 phr of at least one zinc salt of a carboxylic acid of formula R-COOH. R is selected from linear or branched C₁-C₂₄ alkyl groups, linear or branched C₂-C₂₄ alkenyl groups, C₅-C₂₄ cycloalkyl groups, C₆-C₂₄ aryl groups, C₇-C₂₄ alkylaryl or arylalkyl groups. A tyre for a vehicle wheel includes a carcass structure, belt structure, tread band, and pair of sidewalls. At least one tyre structural element includes a crosslinked elastomeric material obtained by crosslinking the elastomeric composition. The at least one structural element including the crosslinked elastomeric material may be the tread band. A related tyre tread band and crosslinked elastomeric manufactured product are also disclosed.